

Date: Tue, 4 May 93 03:36:51 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #535
To: Info-Hams

Info-Hams Digest Tue, 4 May 93 Volume 93 : Issue 535

Today's Topics:

2nd try...Looking for non-nicads!
Callbook server, or FTP.
Daily Solar Geophysical Data Broadcast for 03 May
Feedback needed, Outbacker or Isolooop users
Friendly HAMS
Hamfest Help
Helical filters for HT's
IC290
Novice tkt in 7wks; advice to interested
Please keep discussions out of rec.radio.swap!
RACES Bulletin #272
radio mod for uniden scanner
Scanner Interference
Standard 12 VDC Connectors

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 4 May 1993 05:37:55 GMT
From: usc!sdd.hp.com!cs.utexas.edu!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!
crcnis1.unl.edu!mcduffie@network.UCSD.EDU
Subject: 2nd try...Looking for non-nicads!
To: info-hams@ucsd.edu

Gentlemen (and ladies!),

I'm really tired of replacing the nicads in my handheld every couple of

years or so. We now have lead-acid batteries for our camcorders that don't have to be fully cycled, don't have memory problems, etc. They work great! Does anyone know of a good battery for the handhelds? I'm open to all non-nicad suggestions. By the way, mine is a TH-25.

73

```
Gary McDuffie, Sr.          //          ---o-----\./-----o---
Scottsbluff, Nebraska  \\ //  mcduffie@unl.edu  ---o-----/|\-----o---
AGON@AGON.#WNE.NE.USA.NA \X/  _____|
```

Date: Tue, 4 May 1993 07:10:34 GMT
From: waikato.ac.nz!comp.vuw.ac.nz!actrix!chrisj@decwrl.dec.com
Subject: Callbook server, or FTP.
To: info-hams@ucsd.edu

Hi. Can anyone tell me if there is a callbook server on the internet with access to callsigns other than US and Canadian calls. Also, is there an FTPable international call database anywhere, or has anyone got any preferances/comments on the commercially available ones.
Thanks

Chris Jackson ZL2TPO @ZL2WA, @KO-23, @UO-22 Satellites
Internet zl2tpo@amsat.org

Date: 4 May 93 06:09:02 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 03 May
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 123, 05/03/93
10.7 FLUX=107.1 90-AVG=131 SSN=055 BKI=2134 3221 BAI=010
BGND-XRAY=B4.2 FLU1=8.3E+04 FLU10=1.3E+04 PKI=2134 3311 PAI=010
BOU-DEV=017,006,024,041,028,014,010,007 DEV-AVG=018 NT SWF=00:000
XRAY-MAX= C1.6 @ 0643UT XRAY-MIN= B3.7 @ 0344UT XRAY-AVG= B5.7
NEUTN-MAX= +002% @ 2335UT NEUTN-MIN= -002% @ 2340UT NEUTN-AVG= -0.0%
PCA-MAX= +0.1DB @ 2345UT PCA-MIN= -0.5DB @ 0005UT PCA-AVG= -0.0DB
BOUTF-MAX=55401NT @ 0105UT BOUTF-MIN=55357NT @ 1658UT BOUTF-AVG=55384NT
GOES7-MAX=P:+039NT@ 1938UT GOES7-MIN=N:-045NT@ 2359UT G7-AVG=+007,+014,-045
GOES6-MAX=P:+122NT@ 1434UT GOES6-MIN=N:-084NT@ 0617UT G6-AVG=+091,-014,-049
FLUXFCST=STD:112,115,115;SESC:105,105,105 BAI/PAI-FCST=025,015,021/020,015,020
KFCST=3345 5433 2235 4322 27DAY-AP=012,013 27DAY-KP=2323 3324 2332 3333
WARNINGS=*SWF

ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 02 MAY 93 was 83.4.
The Full Kp Indices for 02 MAY 93 are: 2- 2- 2o 2+ 2o 2- 2+ 2-

Date: Sun, 2 May 1993 18:33:39 GMT
From: sdd.hp.com!cs.utexas.edu!zaphod.mps.ohio-state.edu!darwin.sura.net!
knuth.mtsu.edu!raider!theporch!jackatak!jackhill@network.UCSD.EDU
Subject: Feedback needed, Outbacker or Isoloop users
To: info-hams@ucsd.edu

wf9s@wf9s.ampr.ORG writes:

> I am looking for some info, success stories, not so success stories
> or just some general feedback from some people who have used or are
> using the Outbacker or Isoloop HF antennas. I guess mainly the Outbacker
> but both are a consideration. I am very limited with space so a small
> multiband type antenna is gonna have to be the choice.

Well, How about using a TEXAS BUG CATCHER (the Henry Allen WB5TYD
version) and have a REAL antenna?

After looking at all the options I could find for a mobile HF antenna,
I settled on the design Henry has made famous for a variety of
reasons, not the least of which is it can be tuned for ANY frequency
from 3.5Mhz to 30Mhz (and even to 1.8Mhz, *IF* you spring for the
humongeous inductor! ;^)

Use as long a bottom pole below the inductor as you can, select the
huge inductor because it works a helluva lot better, put the mega-size
capacity hat on, and use the full length 8-foot stainless whip. That
will get you some really serious RF out. I am running such an antenna
(with "only" the 54 inch lower stick) on my car, and it is better than
I even imagined it would be... 'course I have to stop and disconnect
the top before driving into the garage, and I do whack a ton of tree
limbs on rural roads, but I am hauling in DX and having a ball.

Research just indicated Henry's approach was far superior to the
alternatives...and it cost more too, but what a quality job!

(Nope, I am NOT an employee of GLA Systems -- Henry's Company) just a
VERY satisfied customer.

73 ES GUD DX

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+-----+
| Jack GF Hill      |Voice: (615) 459-2636 - Bicycling and SCUBA Diving |
| P. O. Box 1685    |Modem: (615) 377-5980 - Compu$erve 76427,31 |
| Brentwood, TN 37024|jackhill@jackatak.raider.net - Ham Call: W4PPT |
+-----+
```

Date: Mon, 3 May 1993 04:18:36 GMT
From: swrinde!zaphod.mps.ohio-state.edu!darwin.sura.net!knuth.mtsu.edu!raider!
theporch!jackatak!martinbw@network.UCSD.EDU
Subject: Friendly HAMS
To: info-hams@ucsd.edu

I have only had my license for a few months now but I have finally managed to buy a GAP antenna and Borrow a Ten-Tec Omni-D so that I could try out some HF in addition to the VHF/UHF that I have been using since my license arrived. I was listening to 40m around 7.24MHz whrn I heard a CQ call from NR5T. before I could jump in an answer came from anothe HAM but I did not catch his cll sign. His signal was weak but mostly readable (33 or 43?) NR5T comes back saying that he cannot hear the reply (then how did he know to say that) and then says if you do not have an amplifier you have no business being on 40m at night. While this kind of attitude and those HAMS on the net that FLAME and degrade those HAMS that have chosen to not take any of the element 1 tests (yet) is not what I expected from this hobby, I am not going to let it scare me away. I know that these people are in the minority (although vocal) and that there is a lot comraderie in this hobby and that is one reason why I am here.

I now step down from my soapbox.

Bruce

```
*****
* Bruce W. Martin      Internet: martinbw@jackatak.raider.net.com *
* 4558 Brooke Valley Dr. AOL: Dragon16 *
* Hermitage TN 37076-2650 HAM Call: KD4WYG/AA *
* Voice: (615) 872-9942 *
* FAX/MODEM: (615) 885-4182 *
*****
```

Date: Sun, 2 May 1993 18:27:13 GMT
From: usc!zaphod.mps.ohio-state.edu!darwin.sura.net!knuth.mtsu.edu!raider!
theporch!jackatak!jackhill@network.UCSD.EDU
Subject: Hamfest Help

To: info-hams@ucsd.edu

fms@sw.stratus.com (Faith Senie) writes:

> In article <9304271532.aa26172@FSAC3.PICA.ARMY.MIL>, cfishman@pica.army.mil (
> Fishman, FSAC-FCD) writes:

> > When is the Rochester, New Hamshire fest (used to be Dearfield)

>

> HossTraders (or, as I understand some people are calling it, "Deerchester")

> is May 7-8, 1993. Gates open at noon on Friday, May 7 for buyers and sellers

> both. Entry fee is \$5 per person, camping is allowed (or at least it had bet

> be allowed -- we're bringing the pop-up camper! :-)

>

> Dunno about how to get there -- anybody got good directions to Rochester, NH?

Sure. From MARlboro take 495 to 95 North to the "Circle" in Portsmouth,
NH and follow Route 16 to Rochester... Used to work for a Horse Doctor
there many years ago...*thats* how I know! ;^)

73 ES Say hello to Normal Norm (WA1IVB) ES Joe (K1RQG) for me

I can't make it 'cuz we have a fleamarket HamFest in Murfreesboro, TN
on Saturday, and I need to off-load some "junque"! ;^)

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+-----+
| Jack GF Hill      |Voice: (615) 459-2636 - Bicycling and SCUBA Diving |
| P. O. Box 1685    |Modem: (615) 377-5980 - Compu$erve 76427,31 |
| Brentwood, TN 37024|jackhill@jackatak.raider.net - Ham Call: W4PPT |
+-----+
```

Date: 30 Apr 93 10:56:46 EDT

From: sdd.hp.com!ncr-sd!ncrcae!ncrhub2!ncrgw2!psinntp!arrl.org@network.UCSD.EDU

Subject: Helical filters for HT's

To: info-hams@ucsd.edu

Pulling the filter off my bench (made out of 14 gauge wire
for low loss).

50.9 MHz 30.7 dB insertion loss

144.3 MHz .12 dB insertion loss, 34 dB return loss

145.5 MHz .29 dB insertion loss, 21 dB return loss

222.5 MHz 40 dB insertion loss

433 MHz 1.7 dB insertion loss

The capacitors are nickel plated brass tuning screws

Note that this 2 meter filter has less insertion loss at
2 meters than some commercial filters (designed for 70 cm).
However, it may be bigger than some HTs.

There is no aperture stop, so the coupling is quite large.
I suppose that using inductive, as opposed to capacitive
or aperture coupling, might be used to reduce odd harmonic
responses. I've occasionally noted that the harmonic responses
are overcoupled, though I've not really studied this problem in
detail.

Zack Lau KH6CP/1

Internet: zlau@arrl.org "Working" on 24 GHz SSB/CW gear
Operating Interests: 10 GHz CW/SSB/FM
US Mail: c/o ARRL Lab 80/40/20 CW
225 Main Street Station capability: QRP, 1.8 MHz to 10 GHz
Newington CT 06111 modes: CW/SSB/FM/packet
amtor/baudot
Phone (if you really have to): 203-666-1541

Date: Tue, 4 May 1993 10:12:07 GMT
From: sdd.hp.com!apollo.hp.com!hpwin052!hpqmoea!dstock@network.UCSD.EDU
Subject: IC290
To: info-hams@ucsd.edu

I read your original request, but failed to discover what sort of
improvement you wanted to achieve.

To ANY radio, there is a huge number of possible changes that can be
made... output power, audio quality, toneburst/CTCSS/DTMF, Rx intermod
etc etc.

If you are only interested in expanding the frequency coverage, the
field is narrowed somewhat. This generation of ICOM 2m radios had good
quality narrow "Helical-resonator" filters in the front end, they give
good protection from strong out of (amateur) band signals that would
otherwise overload the front end and prevent reception of in-band
signals.

Being a multimode, the synthesiser is more complex than in an FM only
box, in order to give the smaller tuning steps needed for SSB, and also
to keep the phase noise down. The oscillators will not have much more
tuning range than is needed to cover the amateur band.

Increasing the tuning range would involve re-doing the front end
design with wider filters, which would have to track the tuned freq if
you wanted more than a couple of MHz expansion. Major work on the
hardware of the synthesiser would be needed to expand the oscillator
tuning range, this synth was designed around the amateur band and
without total redesign it is not a candidate for extension beyond a few
more MHz. On top of this would be the need to modify the firmware.

All this sounds rather negative, I'm not trying to be unfriendly, I'd just like to make the point that it would be easier to build a scanner from scratch than to use such a radio as a starting point. This is actually a Good Thing. You have a better radio there, in terms of its ability to function as a 2m transceiver, than the "just 3 keystrokes gives you 110 to 170 MHz" variety. You will still be able to receive when many of the latest rigs are completely blocked. The joke is that the folk with these all singing, all dancing jobs don't realise they're missing things, because they hear nothing :-)

One caution about the IC290 is that I believe it is one of the ICOMs that lose their firmware when the lithium cell expires, and have to be sent far away to be re-programmed.

Hope this makes up for the lack of response!

David GM4ZNX

Date: Mon, 3 May 1993 15:43:56 GMT
From: overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!
zaphod.mps.ohio-state.edu!cs.utexas.edu!wupost!csus.edu!netcom.com!netcomsv!
pegasus!sherlock!rhair@@dog.ee.lbl.gov
Subject: Novice tkt in 7wks; advice to interested
To: info-hams@ucsd.edu

Hello Group,

Well I managed to get my Novice license in 7 weeks! Took the test at the Sunnyvale (CA) VEC.

I did my studies in one week also... B.S. in Computer Sci. and had some familiarity with the letters (pick out 75% by site) before I started. I Copied code for 15 minutes twice in the morning and twice in the evening for a total of one hour/day. Studied Now Your Talking on my lunch Hr. I spent more time on the weekend for it of course.

My advise to anyone interested in getting a license:

- 1) It may not be as difficult as you think. It is a choice.
- 2) Practice code for relatively short periods of time every day. Keep your copy sheets and watch the improvement!!
- 3) Follow through with taking the test. I just decided it was time to get my license... Set a date (goal) for taking the test and make it happen.
- 4) It can be/is a lot of fun... eg: I went to the park to test out a PVC tower design I made... It was mostly a failure... But I learned a

lot, had a *HECK* of a lot of fun, and know what I need to try next.
==> creative outlet from the daily routine.

- 5) FLAME WARS: If you have monitored this group and do not read very many groups on the net, you may not realise that "flame wars" are a real phenomenon in news... Please remember that they are... optional!?! There are LOTS of topics to ask about/consider/ponder that don't require derision!! As always, if you reach out, someone might try to push you down... You can let it happen, fight back, or ignore... (I guess you can hold back of course but then you get less of a chance to learn.)

Richard Hair
KD6UMA, Novice

Date: Tue, 4 May 1993 04:44:41 GMT
From: sdd.hp.com!cs.utexas.edu!wupost!bigboy.sbc.com!news.mtholyoke.edu!
news.unomaha.edu!cwis!pschleck@network.UCSD.EDU
Subject: Please keep discussions out of rec.radio.swap!
To: info-hams@ucsd.edu

I've been watching this situation play itself out with several long discussion threads (mostly from people who should know better). Apologies for the gross violation of netiquette on my part for posting here as well (I've directed followups to rec.radio.amateur.misc). I've been strongly hesitant to say anything, as this is an unmoderated newsgroup. However, since Usenet is also a cooperative medium, I feel the need to remind others of the following:

- rec.radio.swap is supposed to be a discussion-free preserve of electronic want-ads
- meta-discussions should occur via E-mail or on a discussion newsgroup
- careful setting of the Followup-To: header (and a little personal restraint in taking it to another newsgroup or E-mail) can nip this in the bud

Together we can keep rec.radio.swap noise-free and the successful trading forum that it has developed into over the last few years. For more information, please consult "A Guide to Buying and Selling on Usenet" posted to this newsgroup. Jay and I are working on including some summary information on COD's and caveats about accepting payment from strangers for the next regular posting (we promise! :-).

73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

Date: 4 May 93 09:00:49 GMT
From: news-mail-gateway@ucsd.edu
Subject: RACES Bulletin #272
To: info-hams@ucsd.edu

Bid : \$RACESBUL.272

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO
INFO: ALL RACES OPERATORS IN CA (ALLCA: OFFICIAL)
ALL AMATEURS U.S. (@ USA: INFORMATION)
FROM: CA STATE OFFICE OF EMERGENCY SERVICES (W6HIR @ WA6NWE.CA)
2800 Meadowview Rd., Sacramento, CA 95832 (916)262-1600
Landline BBS open to all: (916) 262-1657

RACESBUL.272 DATE: May 3, 1993
SUBJECT: MGT - The committed volunteer - Part 1/3

The services of any volunteer group hinges on the success of appealing to and utilizing the skills of the individual, rather than stressing conformity of the whole into one rigid mold. This is more applicable to communications volunteers than to, say, law enforcement or fire suppression volunteers. We have discussed previously the broad areas of specialization in which a communications volunteer may serve: administrative, operational, and technical.

As their administrator you may not be familiar with the three levels of activity in which your volunteers may choose to serve. It is our aim to describe these to you and discourage casting all volunteers in to one performance mold, so to speak.

The one common and underlying thread that motivates all dependable volunteers is a strong sense of duty. They will be the last to admit this to you, but it is a commitment to duty that motivates them. This is particularly hard to be understood by paid employees with no experience with volunteers; particularly by or among those employees who cannot understand why anyone would want to volunteer for work which they themselves do not particularly enjoy. The sad truth is that few people work day to day at something they really like and derive a sense of satisfaction and accomplishment. The biggest single reason governments do not have a volunteer program is that the professional staff person does not understand, recognize, and subscribe to this concept. They, of course, seldom see these words (the RACES BULLETINS) because, if they have no volunteers, there is no delivery of these weekly volunteer program management

bulletins.

(To be continued in Part 2)

EOM

RACES Bulletins are archived on the Internet at ucsd.edu in hamradio/races
and can be retrieved using FTP.

Date: 4 May 93 21:37:47 +1200
From: waikato.ac.nz!barhodes@decwrl.dec.com
Subject: radio mod for uniden scanner
To: info-hams@ucsd.edu

Can anyone help me with some information about a UNIDEN Bearcat scanner
the model number is UBC760XLT
What i am trying to find out is if it can be modified to cover more bands than
just the normal. ie 88mHz to 108 megs etc (and if it can be modified to
recieve fm wide.)

thankx
Bruce Rhodes
ZL1UBR

Date: Tue, 4 May 1993 05:43:12 GMT
From: news.Hawaii.Edu!uhunix.uhcc.Hawaii.Edu!jherman@ames.arpa
Subject: Scanner Interference
To: info-hams@ucsd.edu

In article <9305040252.AA08906@tecnet1.jcte.jcs.mil> jdelancy@tecnet1.jcte.jcs.mil
writes:

>Has anyone else come across a problem scanner that emits a
>signal strong enough to key your local repeater? We have one
>someplace in the neighbor hood that when it scans across 155.610, it
>emits a signal on 144.7859 that keys on the input of the 144.79/145.39
>repeater. What corrective actions did you take?
>
>jd

I believe there was an article in a recent QST (January issue?) which presented
a similar situation; you might check that out.

Jeff NH6IL

Date: Sun, 2 May 1993 19:05:13 GMT
From: swrinde!zaphod.mps.ohio-state.edu!darwin.sura.net!knuth.mtsu.edu!raider!
theporch!jackatak!jackhill@network.UCSD.EDU
Subject: Standard 12 VDC Connectors
To: info-hams@ucsd.edu

whs70@dancer.cc.bellcore.com (sohl,william h) writes:

> I agree, and without commenting on whether this choice is good/bad, etc.
> it would be great (IMHO) if the manufacturers then used the "standard"
> connector on their equipment instead of having a different one used by
> each manufacturer.

Well, Bill, I'd like to go you one better and ask that each manufacturer
stick with a standard connector! *THAT* would be an improvement...
then we could go for an "industry" standard...

Given that you like standards...you must not use the DOS platform,
huh? ;^) ;^)
73

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+-----+
| Jack GF Hill      |Voice: (615) 459-2636 - Bicycling and SCUBA Diving |
| P. O. Box 1685    |Modem: (615) 377-5980 - Compu$erve 76427,31 |
| Brentwood, TN 37024|jackhill@jackatak.raider.net - Ham Call: W4PPT |
+-----+
```

Date: Tue, 4 May 93 07:11:34 GMT
From: sdd.hp.com!spool.mu.edu!news.cs.indiana.edu!noose.ecn.purdue.edu!
en.ecn.purdue.edu!n9ljx@network.UCSD.EDU
To: info-hams@ucsd.edu

References <C6Fp4o.F2L@news.Hawaii.Edu>,
<930503.162837.6v1.rusnews.w165w@garlic.sbs.com>,
<POPOVICH.93May3235642@prince.cs.columbia.edu>
Subject : Re: no-code defense

In article <POPOVICH.93May3235642@prince.cs.columbia.edu> popovich@cs.columbia.edu
(Steve Popovich) writes:

>>> I'm NH6IL and I'm against the no-code license.
>>
>> I'm KD1NR and I'm against the no-code license.
>
>I'm WB3I and I think this thread is silly.
>But I'm still for the no-code license.

> -Steve

I'm N9LJX and I think that the no-code license has been in place for quite some time now and there is NO chance it will be repealed! Are we ever going to get over this nonsense?? My KILL file can handle only so many versions of 'no-code, no no-code'

In the words of Jay Maynard, "Sheesh"

--scott

--

Scott Stambaugh - N9LJX internet: n9ljx@ecn.purdue.edu
Operations Supervisor, ADPC phone: 317 494 7946
Purdue University
West Lafayette, IN 47907-1061

Date: Tue, 4 May 1993 05:22:02 GMT
From: news.Hawaii.Edu!uhunix.uhcc.Hawaii.Edu!jherman@ames.arpa
To: info-hams@ucsd.edu

References <930502.151850.7V4.rusnews.w165w@garlic.sbs.com>,
<C6Fp4o.F2L@news.Hawaii.Edu>, <easu348.736406456@orion.oac.uci.edu>
Subject : Re: no-code defense

>

>>In article <930502.151850.7V4.rusnews.w165w@garlic.sbs.com>
system@garlic.sbs.com (Anthony S. Pelliccio) writes:

>>>N1MNF/AA <levin@bbn.com> writes:

>>>

>>>> system@garlic.sbs.com (Anthony S. Pelliccio) writes:

>>>>

>>>> |jgervais@weber.ucsd.edu (Joe Gervais) writes:

>>>>

>>>> |> While I realize that the "no-code" bashers are an unfortunately

>>>> |> vocal minority, if they have succeeded in putting legitimate

>>>>

>>>> |Actually there's more than a minority. It's just that all this

>>>> |politically correct bullshit keeps some people from saying whats really

>>>> |on their minds. :)

>>>>

>>>> Are you saying that the '"no-code" bashers' are a majority of hams?

>>>>

>>>

>>>Yes in fact, I am. Judging by the letters of support I've gotten for my

>>>stance on dropping the code requirement I'd say there are alot of hams
>>>opposed to messing with the structure. I just don't want to see the HF
>>>bands become a free-for-all if all of a sudden, people who haven't put
>>>half the effort into it that I have, get access to the same spectrum.
>>>That doesn't make me a happy camper.
>>>
>>>Tony
>>>
>>So, ladies and gentlemen, why don't we take an informal poll here on
>>the net: give your callsign and state whether you support the no-code
>>license or feel it was a bad idea. I'll start:
>
>>I'm NH6IL and I'm against the no-code license.

End of Info-Hams Digest V93 #535
